5.   Contents of amendment

Amendments are made as shown on the attached sheets.

(1)   In claim 1, the clause "judging means for judging whether or not information received from one communication bus is information that should be transmitted to the other communication bus" is amended as follows: "and in which information to be communicated is made up of a header field containing information such as an address necessary for communication and a message field containing information to be used at receiving side after the communication based on said header field is completed, said gateway device comprising: judging means for judging, based on contents of said message field, whether or not the information received from one communication bus is information that should be transmitted to the other communication bus; and".

(2)   Claim 2 stating "A gateway device as claimed in claim 1, wherein said judging means judges, based on contents of a command, whether or not the information received from one communication bus is the information that should be transmitted to the other communication bus" is amended as follows: "A gateway device which interconnects two communication buses implemented with different communication methods, and in which information to be communicated is made up of a header field containing information such as an address necessary for communication and a message field containing a command and a parameter accompanying said command, said gateway device comprising: judging means for judging, based on said command, whether or not the information received from one communication bus is information that should be transmitted to the other communication bus; and filtering means for transmitting said received information to said other communication bus when said received information is judged by said judging means to be the information that should be transmitted".

(3)   Claim 3 stating "A gateway device as claimed in

claim 1, further comprising: storage means for storing the information that is judged by said judging means to be the information that should be transmitted; and second filtering means for comparing the contents of the

5   information stored in said storage means with contents of information of the same kind as said stored information when such information is newly received, and for transmitting said received information to said other communication bus and updating said stored information at

10   the same time only when there is a change in the contents" is amended as follows: "A gateway device which interconnects two communication buses implemented with different communication methods, comprising: judging means for judging whether or not information received

15   from one communication bus is information that should be transmitted to the other communication bus; storage means for storing the information that is judged by said judging means to be the information that should be transmitted; and filtering means for comparing the

20   information stored in said storage means with newly received information which is of the same kind as said stored information and is judged by said judging means to be the information that should be transmitted and, when their contents differ, transmitting said received

25   information to said other communication bus while, at the same time, storing said received information in said storage means".

(4)   In claim 6, the clause "comprising the steps of: (a) judging whether or not information received from

30   one communication bus is information that should be transmitted to the other communication bus; and (b) performing filtering to transmit said received information to said other communication bus only when, in said step (a), said received information is judged to be

35   the information that should be transmitted" is amended as follows: "and in which information to be communicated is made up of a header field containing information such as

an address necessary for communication and a message field containing information to be used at receiving side after the communication based on said header field is completed, said method of gatewaying comprising the steps

5 of: (a) judging, based on contents of the message field of said communication data, whether or not the information received from one communication bus is the information that should be transmitted to the other communication bus; and (b) performing filtering to

10 transmit said received information to said other communication bus when in said step (a) said received information is judged to be the information that should be transmitted".

(5) Claim 7 stating "A method of gatewaying as

15 claimed in claim 6, wherein said step (a) judges, based on contents of a command, whether or not the information received from one communication bus is the information that should be transmitted to the other communication bus" is amended as follows: "A method of gatewaying in a

20 gateway device which interconnects two communication buses implemented with different communication methods, and in which information to be communicated is made up of a header field containing information such as an address necessary for communication and a message field

25 containing a command and a parameter accompanying said command, said method of gatewaying comprising the steps of: (a) judging, based on the command contained in the message field of said communication data, whether or not the information received from one communication bus is

30 the information that should be transmitted to the other communication bus; and (b) performing filtering to transmit said received information to said other communication bus when in said step (a) said received information is judged to be the information that should

35 be transmitted".

(6) Claim 8 stating "A method of gatewaying as claimed in claim 6, further comprising the steps of: (c)

storing the information that is judged in said step (a)
to be the information that should be transmitted; and (d)
performing second filtering whereby contents of the
information stored in said step (c) is compared with

5   contents of information of the same kind as said stored
information when such information is newly received and,
only when there is a change in the contents, said
received information is transmitted to said other
communication bus while, at the same time, updating said

10   stored information" is amended as follows: "A method of
gatewaying in a gateway device which interconnects two
communication buses implemented with different
communication methods, comprising the steps of: (a)
judging whether or not information received from one

15   communication bus is information that should be
transmitted to the other communication bus; (b) storing
the information that is judged in said step (a) to be the
information that should be transmitted; and (c)
performing filtering whereby the information stored in

20   said step (b) is compared with newly received information
which is of the same kind as said stored information and
is judged in said step (a) to be the information that
should be transmitted and, when their contents differ,
said received information is transmitted to said other

25   communication bus while, at the same time, storing said
received information in said step (b).

    (7)   In claim 9, the clause "(e) transmitting the
information stored in said step (a) to said communication
bus in accordance with a request made from said

30   communication bus" is amended as "(d) transmitting the
information stored in said step (b) to said communication
bus in accordance with a request made from said
communication bus".

6.   List of attached sheets

35   Claims on pages 10 and 10/1 and new pages 11 and
11/1. One sheet per page.